Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Previously presented) A method in a data processing system for dynamically protecting data from damage during execution of processes within the data processing system, the method comprising:

journaling the data to form journaled data, wherein journaling the data comprises maintaining a system audit trail that contains activities occurring within the data processing system during the execution of the processes within the data processing system;

dynamically determining whether a virus is present in the data processing system after journaling of the data has begun; and

responsive to an identification of the virus, restoring the data using the journaled data.

2. (Original) The method of claim 1 further comprising:

responsive to an absence of an identification of the virus, discarding the journaled data.

3. (Original) The method of claim 1, wherein the determining step comprises:

performing pattern matching.

4. (Previously presented) The method of claim 3, wherein the performing step includes:

comparing a set of actions occurring within the data processing system with a set of known virus patterns.

5. (Previously presented) The method of claim 1, wherein the data that is journaled is located in a storage device external to the data processing system.

6. (Original) The method of claim 1 further comprising:

recording a sequence of actions occurring within the data processing system.

7. (Previously presented) The method claim 1, wherein the data that is journaled is data accessed by a process within the data processing system.

8. (Original) The method of claim 1 further comprising:

responsive to an identification of the virus, blocking access to the data by a process accessing the data.

9. (Original) The method of claim 1 further comprising:

responsive to an identification of the virus, generating an indication halting a process accessing the data.

10. (Previously presented) The method of claim 1, wherein the journaled data is accessed by a single process and maintained until a determination is made that the single process is eliminated as a virus candidate.

11. (Original) The method of claim 1, wherein the journaled data is stored in a protected memory accessible only by the method.

12. (Previously presented) The method of claim 11, wherein the journaled data is stored in a data structure located in a protected memory inaccessible by a process executing within the data processing system.

13-23. (Cancelled)

24. (Previously presented) A data processing system comprising:

a bus system;

a communications unit connected to the bus system;

a memory connected to the bus system, wherein the memory includes as set of instructions; and

a processing unit connected to the bus system, wherein the processing unit executes the set of instructions to journal the data to form journaled data, wherein journal the data comprises maintaining a system audit trail that contains activities occurring within the data processing system during the execution of the processes within the data processing system; dynamically determines whether a virus is present in the data processing system after journaling of the data has begun; and restores the data using the journaled data in response to an identification of the virus.

25. (Cancelled)

26. (Previously presented) A data processing system for dynamically protecting data from damage during execution of processes within the data processing system, the data processing system comprising:

journaling means for journaling the data to form journaled data, wherein the journaling means for journaling the data comprises means for maintaining a system audit trail that contains activities occurring within the data processing system during the execution of the processes within the data processing system;

determining means for dynamically determining whether a virus is present in the data processing system after journaling of the data has begun; and

restoring means, responsive to an identification of the virus, for restoring the data using the journaled data.

27. (Original) The data processing system of claim 26 further comprising:

discarding means, responsive to an absence of an identification of the virus, for discarding the journaled data.

28. (Original) The data processing system of claim 26, wherein the determining means comprises:

means for performing pattern matching.

29. (Previously presented) The data processing system of claim 28, wherein the performing means includes:

means for comparing a set of actions occurring within the data processing system with a set of known virus patterns.

30. (Previously presented) The data processing system of claim 26, wherein the data that is journaled is located in a storage device external to the data processing system.

31. (Original) The data processing system of claim 26 further comprising:

recording means for recording a sequence of actions occurring within the data processing system.

32. (Previously presented) The data processing system claim 26, wherein the data that is journaled is data accessed by a process within the data processing system.

33. (Original) The data processing system of claim 26 further comprising:

blocking means, responsive to an identification of the virus, for blocking access to the data by a process accessing the data.

34. (Original) The data processing system of claim 26 further comprising:

generating means, responsive to an identification of the virus, for generating an indication halting a process accessing the data.

35. (Previously presented) The data processing system of claim 26, wherein the journaled data is accessed by a single process and maintained until a determination is made that the single process is eliminated as a virus candidate.

36. (Original) The data processing system of claim 26, wherein the journaled data is stored in a protected memory accessible only by the method.

37. (Previously presented) The data processing system of claim 36, wherein the journaled data is stored in a data structure located in a protected memory inaccessible by the process executing within the data processing system.

38-46. (Cancelled)

47. (Previously presented) A computer program product in a computer readable medium for dynamically protecting data from damage during execution of processes within the data processing system, the computer program product comprising:

first instructions for journaling the data to form journaled data, wherein journaling the data comprises maintaining a system audit trail that contains activities occurring within the data processing system during the execution of the processes within the data processing system;

second instructions for dynamically determining whether a virus is present in the data processing system after journaling of the data has begun; and

third instructions, responsive to an identification of the virus, for restoring the data using the journaled data.

48. (Original) The computer program product of claim 47 further comprising:

fourth instructions, responsive to an absence of an identification of the virus, for discarding the journaled data.

49. (Original) The computer program product of claim 47, wherein the second instructions comprises:

sub-instructions for performing pattern matching.

50. (Previously presented) The computer program product of claim 47, wherein the sub-instructions for performing includes:

instructions for comparing a set of actions occurring within the data processing system with a set of known virus patterns.

51. (Previously presented) The computer program product of claim 47, wherein the data that is journaled is located in a storage device external to the data processing system.

52. (Original) The computer program product of claim 47 further comprising:

fourth instructions for recording a sequence of actions occurring within the data processing system.

53. (Previously presented) The computer program product claim 47, wherein the data that is journaled is data accessed by a process within the data processing system.

54. (Original) The computer program product of claim 47 further comprising:

fourth instructions, responsive to an identification of the virus, for blocking access to the data by a process accessing the data.

55. (Original) The computer program product of claim 47 further comprising:

fourth instructions, responsive to an identification of the virus, for generating an indication halting a process accessing the data.

56. (Previously presented) The computer program product of claim 47, wherein the journaled data is accessed by a single process and maintained until a determination is made that the single process is eliminated as a virus candidate.

57. (Original) The computer program product of claim 47, wherein the journaled data is stored in a protected memory accessible only by the method.

58. (Previously presented) The computer program product of claim 57, wherein the journaled data is stored in a data structure located in a protected memory inaccessible by the process executing within the data processing system.

59-67. (Cancelled)